

19991229.qrp v01_n684.qrl.991229

Date: Wed, 29 Dec 1999 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1684

QRP-L Digest 1684

Topics covered in this issue include:

- 1) [58949] HTX-100 FOR SALE!
by AC6JA@aol.com
- 2) [58950] LOGIKEY MODEL K-1 KEYER FOR SALE!
by AC6JA@aol.com
- 3) [58951] WILDERNESS RADIO SIERRA FOR SALE!
by AC6JA@aol.com
- 4) [58952] Wilderness Radio Norcal 40A FOR SALE!
by AC6JA@aol.com
- 5) [58953] MW Contest (Tuesday) - de NF0R
by dave gauding <david.gauding@bbs.galilei.com>
- 6) [58954] Re: Wire
by "John A. Evans - N0HJ" <jae@codenet.net>
- 7) [58955] 10m.... CB antennas and the HTX-10
by John Rollins <rexstout@uswest.net>
- 8) [58956] Re: Pushin' the bug, Y-to-K & the Covenants of Dublin
by Nv4t@aol.com
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by Jim Hale <kj5tf@yahoo.com>
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- 11) [58959] 12M band QRPp record broken with "Tree Quad"
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- 12) [58960] Re: MW Contest (Tuesday) - de NF0R
by Pete Burbank <plburbank@kih.net>
- 13) [58961] RE...FS: Brass Racer Paddles (EK1)
by "J. Ervin Bates" <w8erv@email.msn.com>
- 14) [58962] Re: Pushin' the bug, Y-to-K & the Covenants of Dublin
by "Richard C. Arzadon" <n8xi@juno.com>
- 15) [58963] WBL V22 Keyer
by W8IRQ@aol.com
- 16) [58964] Re: 10m.... CB antennas and the HTX-10
by n5ib@juno.com
- 17) [58965] Re: MW Contest (Tuesday) - de NF0R
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 18) [58966] Re: 10m.... CB antennas and the HTX-10
by aa5yx@juno.com
- 19) [58967] keys f.s.

by "Thaire Bryant" <tbry37@ici.net>
20) [58968] FREE / Re: ANT: Masts
by John R Kirby <n3aaz-qrp@juno.com>
21) [58969] Re: O.T. need help
by "Richard Hensel" <rrhensel@sprintmail.com>
22) [58970] Re: 10m.... CB antennas and the HTX-10
by "Mike Yetsko" <myetsko@insydesw.com>
23) [58971] Psk31
by "KC1DI-DOR" <ELBC@PIVOT.NET>
24) [58972] Re: MW Contest (Tuesday) - de NF0R
by "Charlie Fitts" <cfitts@neca.com>
25) [58973] mWattling & Team scores.
by Bruce Rattray <rattray@gpfn.sk.ca>
26) [58974] Re: 10m.... CB antennas and the HTX-10
by "Kevin Asato" <kevin.k.asato@worldnet.att.net>
27) [58975] RE: Question about Original Norcal Sierra PC board format
by Sam Billingsley <SBillingsley@usaninc.com>
28) [58976] Time warp time
by "Paul Helbert, Wv3j" <phelbert@rica.net>
29) [58977] HB: TiCK chips
by Clifton W Sikes <ab5uacw@juno.com>
30) [58978] Re: parallel port pin question? re: POQET
by Paul Erickson <paule@sfu.ca>
31) [58979] Re: 10m.... CB antennas and the HTX-10
by JFStrain@aol.com
32) [58980] FW: keys f.s.
by Thaire Bryant <tbry37@ici.net>
33) [58981] Re: MW Contest
by Dean W Manley <kh6b@juno.com>
34) [58982] Re: 10m.... CB antennas and 10 meters
by "Ed Manuel (N5EM)" <n5em@flash.net>
35) [58983] Re: parallel port pin question? re: POQET
by Paul Erickson <paule@sfu.ca>
36) [58984] re:75HC132 Source or Info please.
by David Shalita <af389@lafn.org>
37) [58985] Fw: QRP Test
by George F Franklin <w0av@juno.com>
38) [58986] Holiday MilliWatt Contest
by markmilburn <markmilburn@netzero.net>
39) [58987] Re: parallel port pin question? re: POQET
by "Mike Yetsko" <myetsko@insydesw.com>
40) [58988] Re: Psk31
by BenNW7DX@aol.com
41) [58989] mWatt contest
by Larry Cahoon <wd3p@juno.com>
42) [58990] mW Contest (Tues) W4LOW/C
by Paul Stroud <aa4xx@ipass.net>
43) [58991] Holiday Milliwatt CW Contest - AL7FS

by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
44) [58992] Poquet computer
by Bob Parks <rob3ert@thegrid.net>
45) [58993] Poquet computers
by Bob Parks <rob3ert@thegrid.net>
46) [58994] Wye to Kay
by "John J. McDonough" <wb8rcr@arrl.net>
47) [58995] Re: Poquet computer source
by "Randy Randall" <RANDALLR@Healthall.com>
48) [58996] Re: TiCK chips
by Clifton W Sikes <ab5uacw@juno.com>
49) [58997] Re: Psk31
by "George T. Baker" <w5yr@worldnet.att.net>
50) [58998] Re: Psk31
by BenNW7DX@aol.com
51) [58999] re: Question about Original Norcal Sierra PC board format
by Wayne Burdick <n6kr@elecraft.com>
52) [59000] Fw: QRP Test
by "Dan Wolfe" <n4roa@mounet.com>
53) [59001] Re: Question on AADE L/C meter
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
54) [59002] Re: Psk31
by Laura Halliday <lha@sdr.utias.utoronto.ca>
55) [59003] Zomboids
by K2UD@aol.com
56) [59004] QSL Burro
by "Steven Weber" <kd1jv@moose.ncia.net>
57) [59005] Sun CME ejections -- A pictorial story of how they work from NASA
by "Bob Follett" <bfollett@ditell.com>
58) [59006] Electronic Greeting from WA2HOQrp <tm>
by RangerSF5@aol.com

Date: Tue, 28 Dec 1999 19:18:12 EST
From: AC6JA@aol.com
To: qrp-l@lehigh.edu
Subject: [58949] HTX-100 FOR SALE!
Message-ID: <0.4a20b1d1.259aad44@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

i have an HTX-100 for sale in excellent condition. this rig has NO mods!
all original. 10M SSB and CW with 25 watts hi power/5 watts low power. rig
comes with original microphone, mobile mounting bracket(still in original
plastic), DC power cable, owner's manual, AND SERVICE MANUAL with all
schematics, alignment instructions, etc.

only thing i don't have is the box! oh well.

am asking \$150.00 or best offer and i will include shipping.

let me know if interested.

thanks!

mike AC6JA

Date: Tue, 28 Dec 1999 19:57:45 EST
From: AC6JA@aol.com
To: qrp-1@lehigh.edu
Subject: [58950] LOGIKEY MODEL K-1 KEYER FOR SALE!
Message-ID: <0.475127ce.259ab689@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

i have a Logikey K-1 Electronic Memory Keyer for sale. keyer works great and have the operator's manual on how to program the memories, features, etc. am asking \$90.00 or best offer and will include shipping.

let me know if interested.

thanks!

mike ac6ja
(650) 573-7720

Date: Tue, 28 Dec 1999 20:39:11 EST
From: AC6JA@aol.com
To: qrp-1@lehigh.edu
Subject: [58951] WILDERNESS RADIO SIERRA FOR SALE!
Message-ID: <0.24ac9f9f.259ac03f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have a Wilderness Radio Sierra for sale with KC2 and KC2 front panel installed in excellent condition. well-built and fully functional on all bands. have band modules for 80, 40, 30, and 20m built, and 17 and 15m unbuilt. also have the noiseblanker built but not installed yet. have pictures if requested, but not a scratch on the rig. does have some extra holes on the REAR panel from where the KC1 was installed prior to the KC2 becoming available.

really a very nice rig!
am asking \$400.00 or best offer with shipping included.

let me know if interested.
thanks!

mike AC6JA
(650) 573-7720

Date: Tue, 28 Dec 1999 20:47:54 EST
From: AC6JA@aol.com
To: qrp-l@lehigh.edu
Subject: [58952] Wilderness Radio Norcal 40A FOR SALE!
Message-ID: <0.76880dde.259ac24a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have a well-built, fully functional Wilderness Radio Norcal 40A with KC1 installed on the rear panel. the radio looks and works well. nice quiet noise floor and smooth QSK. also have an AF gain control mounted above the RF gain control using same knob so looks like it was meant to be there. performed the frequency expansion mod so the rig covers 7006 to 7060 khz.

am asking \$125.00 or best offer with shipping included.

let me know if interested or have any questions.
thanks!

mike AC6JA

Date: Tue, 28 Dec 1999 20:35:54 -0600
From: dave gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [58953] MW Contest (Tuesday) - de NF0R
Message-ID: <3.0.6.32.19991228203554.00a23590@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hmmmm! Tonight 15 contacts over three bands with WQ4RP/C running 200 MW on all of them. FB OM Brent!

So looks like 2 x 20M, 5 x 80M and 8 x 40M. Lowest power worked was 20 MW from N4ROA on both 40M and 80M. Dan, that is simply amazing!

Used Corsair I running one watt to a St. Louis Doublet up 50' on a St. Louis Shaft.

Was hoping for at least one contact on 160M but no luck on 1.810 after several tries. Still looking for the first 2 x QRP on Top Band. Maybe next time!

KLQRP did super job putting this one together and getting the new milliwatt triple crown off the ground. Thanks for a most enjoyable three days on CW and with hopes that all of us will be doing this again next year.

Happy Holidays!

de Dave, NF0R nf0r@slacc.com

Date: Tue, 28 Dec 1999 19:50:46 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58954] Re: Wire
Message-ID: <38697706.F7708F70@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gee, sounds like time for a Norcal hookup wire kit - \$25 for 25 types of hookup wire in popular lengths and colors !!!

72 - john - n0hj

Dan Wolfe wrote:

> Howdy ye QRP,ers
>
> I am about to run out of hookup wire.

Date: Tue, 28 Dec 1999 19:23:23 -0800
From: John Rollins <rexstout@uswest.net>
To: qrp-L@Lehigh.edu
Subject: [58955] 10m.... CB antennas and the HTX-10
Message-ID: <l03130301b48f2b5ce4fd@[216.161.82.110]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, so it's not much of an upgrade. But it IS a new antenna! Has anyone else tried the new(er?) mag-mount CB antenna from Radio Shack? #21-989, only \$20. I wasn't in the mood to spend \$40 for a RatShack antenna. Pretty short, it has a loading coil at the bottom(haven't opened it up yet), and a fiberglass whip of just over 2.5 feet. A little knurled thumb nut on the bottom for tuning(probably not enough for 10m). Well, I'll get around to testing it eventually. Right now my only 10m antenna is a dipole held on the wall with thumbtacks(haven't I said that before?). There HAS to be a better antenna that's just as easy to make. I just need to find the parts to make it with... And maybe some more wall space :-)

And another subject, partially aimed at N5IB... Can't wait for the schematic, but did you really cut your mic off? I checked the RSU catalog when I bought that CB antenna, and they didn't have the HTX-10 in there(I wonder how often they update those huge catalogs?), but I did finally figure out how much it would cost to get a new antenna for my old Pro-2034, that poor little scanner... Anyways, does anyone know if they sell replacement microphones(or at least that 6-pin connector)? Stupid me, I didn't think to ASK them when I was there...

And yet another question. I'm full of them :-) Where do all the QRPers hang out on 10? I've never seen a specific freq like for other bands(7040 for example). I'm pretty much limited to QRP levels since my mom noticed that 25W wipes out her CD player... :-O Probably partially caused by the indoor thumbtack antenna.

/-----\
| http://members.tripod.com/~jrollins/ rexstout@uswest.net |
| KD7BCY list admin for OrHam and ham-mac at QTH.NET |
|-----/

Date: Tue, 28 Dec 1999 22:43:56 EST
From: Nv4t@aol.com
To: ae4ic@nr.infi.net, qrp-1@lehigh.edu
Subject: [58956] Re: Pushin' the bug, Y-to-K & the Covenants of Dublin
Message-ID: <0.5596e73b.259add7c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It's our civic duty to be POLITICALL

Date: Tue, 28 Dec 1999 19:49:22 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [58957] Re: WHAT QRP RIG?
Message-ID: <19991229034922.15211.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Have a look at the N7KSB 1/2 watt transmitter. Just a few caps, and resistors. Wind the output filters useing stiff wire around a Bic pen, & super gule pads on a 3" square copper board. You need a xtal, and one special IC chip, thats a couple of bux. A switch to go from your stn rcvr, & antenna, & a 7v DC source I think. The rig puts out 250mW with a 3 cell nicad (3.7v) from a cordless phone!

One of the latest QST's reprinted it, but I have the story on my webpage. Along with everything you need, plus pictures of my version of the N7KSB xmtr.

Goto my webpage thats listed below, and look for the picture of the XMTR in my hand. Click that and enjoy.

72/71's de Jim KJ5TF

=====
Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W

Do You Yahoo!?
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<http://messenger.yahoo.com>

Date: Tue, 28 Dec 1999 19:58:34 -0800
From: Bill H Ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [58958] O.T. need help
Message-ID: <19991228.195835.-265503.2.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I just downloaded the little paddle project from NORCAL's web site, and the file is "zipped". I used to have a "zipp/unzipp program, but I lost my computer, and now have a new one. Which doesn't have one.

Does anyone know if you can still get this simple program as Freeware, and where I might get it?

Thanks for any help, 73/72
Bill, K6MGO

Date: Tue, 28 Dec 1999 19:59:25 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [58959] 12M band QRPP record broken with "Tree Quad"
Message-ID: <19991229035925.25651.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My ARCI 1000 Miles Per Watt Award is hanging on the shack wall now. Also the same award is hanging on the wall of Ken, GW3KGV in Wales.

The breaking of the 12M band miles per watt record was a fairly interesting story. I wrote about that QSO and its on my webpage if you'd like to read about it. It was really a perfect moment in HF hamming.

But, the story of the 12M tree quad is another thing altogether. Its got to be one of the ugliest antennas ever built! The shapes of the wire loops are almost beyond discription. Well, you've just got to see it to believe it. hi hi

The whole milliwatt QRP thing has been quite a ride.
And its only a beginning.

Goto my webpage, and click on the link that goes with
the 12M band/tree quad button.

Have fun with QRPP, de Jim KJ5TF

=====

Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://messenger.yahoo.com>

Date: Tue, 28 Dec 1999 23:16:51 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58960] Re: MW Contest (Tuesday) - de NF0R
Message-ID: <3.0.32.19991228231647.0071ecbc@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:35 PM 12/28/99 -0600, you wrote:
>Hmmm! Tonight 15 contacts over three bands with WQ4RP/C running 200 MW on
>all of them. FB OM Brent!

>
Dave,
Great fun from here too. At times on 40 Brent was kicking the
S-meter to 599 here in Ky. The QSB was pretty rapid here, stations would
disappear before I could grab the key. The most solid signals
into here throughout the evening were Doc, K0EVZ Brent, WQ4RP
Bill, K5ZTY. My big thrill happened at the end working VE6EWM
running his 500 milliwatts to my watt....1700 miles roughly.
QRP constantly astounds me! I agree, let's do this again.
Happy New Year to All
Pete NV4V

Date: Tue, 28 Dec 1999 23:18:49 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58961] RE...FS: Brass Racer Paddles (EK1)

Message-ID: <02b101bf51b3\$cf364760\$53451b3f@win98>

The Brass Racer EK 1 is sold. Thanks for the inquiries.

Happy Y2K,
Erv

Date: Wed, 29 Dec 1999 04:34:14 -0500
From: "Richard C. Arzadon" <n8xi@juno.com>
To: nilsbull@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [58962] Re: Pushin' the bug, Y-to-K & the Covenants of Dublin
Message-ID: <19991229.045210.-229389.0.n8xi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Nils -
Maybe when the wx gets better ya could try portable and hang
your antenna off the corn stalks in the concrete cornfield south
of the AT&T school..

73, Rick - N8XI

=====
On Tue, 28 Dec 1999 06:58:27 -0500 Nils R Young <nilsbull@juno.com>
writes:
> Gang,
>
> Ok, first off, the Y-to-K thing is a done deal for me. I changed all
> my Ys to Ks and am now set to redistribute about 200 lbs of type.
> Then there's the New Year's Eve celebration in Columbus, at Cindy's
> brother's digs in one of those "controlled world" communities built
> by Mexicans for the novaj ricxoj. It's the kind of place where you
> have to get permission to put a flower or herb garden on your
> expensive piece of territorial imperative. No antennas allowed. No
> personal choice of trim paint. No personal choice of whatever
> marklar. Covenants of Dublin it be, Sean. And a fine sack o'
> potatoes ye be carryin' there, Seamus.
>
> So I've decided to go there Y2K eve. Stay overnight. Get up in the
> morning & bore the family. Sit in the living room & read "Apocalypse
> Pretty Soon" (by Alex Heard [no relation to Cindy's prepenultimate
> boss]). That kind of thing.

>
> But . . . I'm thinking of taking the latest traveling radio & Y2K2
> box of covenant violations with me. String a wire up the fiberglass
> mast & see what happens. Put the damn thing up in the dark, work a
> couple SKN Qs and then, once Gordon gets back from the "bunker" with
> the gov, maybe put it all back in the case & no one acts the wiser.
>
> Think I should do it? Bet I'll do it? Bet I won't?
>
> After all, the Unarians, Earth Changes, UFO-expecting submutants,
> SubGenii, ProtoDianologists & other general overarching aliens are
> gonna save us 'cause we can't do it ourselves types are gonna be
> hunkered down in Utah expecting the worst. Why shouldn't I help 'em
> out?
>
> A civic duty kind of thing.
>
> 73
>
> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La Estancia de los
> Guajolotes Sonrientes
> <http://home.fiberia.com/wb8ijn> -- W8IJN --
> <http://members.xoom.com/nilsbull>
> "In my day you had to FIGHT to have oligarchs! Every day was a
> STRUGGLE!
> -- Comrade Sergei Nikolaevich McTovarishov --
>
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET! Juno now offers FREE
> Internet Access! Try it today - there's no risk! For your FREE
> software, visit: <http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Dec 1999 00:10:11 EST
From: W8IRQ@aol.com
To: qrp-1@lehigh.edu
Subject: [58963] WBL V22 Keyer
Message-ID: <0.67445a98.259af1b3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Does anyone have one for sale? Nick W8IRQ

Date: Wed, 29 Dec 1999 00:19:15 EST
From: n5ib@juno.com
To: rexstout@uswest.net, qrp-l@Lehigh.edu
Subject: [58964] Re: 10m.... CB antennas and the HTX-10
Message-ID: <19991228.231704.7903.0.N5IB@juno.com>

On Tue, 28 Dec 1999 19:23:23 -0800 John Rollins <rexstout@uswest.net>
writes:

>And another subject, partially aimed at N5IB... Can't wait for the
>schematic, but did you really cut your mic off?

John and gang,

Nah.. I didn't cut the mic off. I went to a local CB shop and found the 6
pin mic connector (\$3.99) and a suitable coiled cord (also \$3.99). RS has
coiled cords, but neither the store nor RSU has the 6 pin connector.

While I'm not yet completely happy with the transmit/receive switching
and time delays, I guess I should post the schematic of what I've got so
far for the cw adapter. I'm waiting for an order to arrive that contains
a smaller DIP-style relay to replace the rather robust one I'm using now
(60 mA coil current). The new one will be about 12 mA.

I can only ftp to my qsl.net site from the office, so it will be a couple
of days before I can get the schematic posted as a .gif. Then I hope that
others on this venue can help me work the bugs out.

73,
Jim N5IB

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Dec 1999 00:38:45 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:plburbank@kih.net" <plburbank@kih.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [58965] Re: MW Contest (Tuesday) - de NF0R
Message-ID: <199912290040_MC2-92B8-9BAE@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit

Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Pete:

Also bagged VE6EWM here. Man oh man, he had an extremely loud and solid signal here. Worked only three VE tonight in the 3 hours, somewhat of a surprise.

Setup was K2 at 900 mW to either the horizontal 540' loop at 33' or sometimes the TNT/2 Windom. Had tried to re-install the GAP Titan, and got it put up there, only to discover it is not working for some reason. Hope I can figure it out tomorrow, before the weather changes for the worse.

Thanks for dropping by. You had a terrific signal here. What is always surprising is how truly loud a QRP/QRPP signal can be :-).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Wed, 29 Dec 1999 05:14:36 -0500
From: aa5yx@juno.com
To: qrp-l@Lehigh.EDU
Subject: [58966] Re: 10m.... CB antennas and the HTX-10
Message-ID: <19991229.054703.5190.0.aa5yx@juno.com>

On Tue, 28 Dec 1999 19:23:23 -0800 John Rollins <rexstout@uswest.net> writes:

>OK, so it's not much of an upgrade. But it IS a new antenna! Has
>anyone
>else tried the new(er?) mag-mount CB antenna from Radio Shack?
>#21-989,
>only \$20. I wasn't in the mood to spend \$40 for a RatShack antenna.
>Pretty
>short, it has a loading coil at the bottom(haven't opened it up yet),
>and a
>fiberglass whip of just over 2.5 feet. A little knurled thumb nut on
>the
>bottom for tuning(probably not enough for 10m).

Hi John,

When I bought my HTX-10 last month I also bought a short mag mount antenna to go with it. I cut a few inches off to make it happy on 10m, then stuck it on top of the pickup. I was able to hear and work a lot of stations, including DX, but I wasn't really happy with the performance. I figured the reason for the less than expected results on 10 was due to the fact that the antenna was more coil than whip (34" whip). So I bought a non-Radio Shack stake-mounted antenna (for the stake holes in the bed of the pickup) with a whip length of 7.5 feet, put an A-B switch between the two antennas to compare. The difference between these two antennas is like night and day. The RS mag-mount antenna was \$24 and the stake mount whip was \$44.

Compared to the larger whip, those shortened antennas seem like half-brothers to the dummy load. Good luck and 72,

John Harper AA5YX/2
<http://home.att.net/~j..harper>

Date: Wed, 29 Dec 1999 06:46:19 -0500
From: "Thaire Bryant" <tbry37@ici.net>
To: <qrp-1@lehigh.edu>
Subject: [58967] keys f.s.
Message-ID: <199912291149.GAA23811@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Not using these...

- 1) Galbraith "KEA" keyer...built by the Christchurch,
NZ Amateur Radio Club. Can be seen at:

<http://www.nzart.org.nz/nzart/branches/chch/branch05/keakeyer.html>

never used...\$125.00 shipped US

- 2) Bencher BY-2 (Chrome base with dust cover)

very clean... \$95.00 shipper US

Thaire W2APF

Date: Wed, 29 Dec 1999 07:19:01 -0500

From: John R Kirby <n3aaz-qrp@juno.com>
To: Ronald_A_Pfeiffer@res.raytheon.com, qrp-1@Lehigh.EDU
Subject: [58968] FREE / Re: ANT: Masts
Message-ID: <19991229.072110.-127447.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

How about a tilt-over / cranck-up / counterpoise tower all in one. . .

Either field day or home QTH. . .
. . . the aluminum extension,
already paid for (free) just hanging in shed.

From: n3aaz-qrp@juno.com
To: qrp-1@Lehigh.EDU
Date: Wed, 18 Nov 1998 12:20:12 -0500
Subject: Free Un Built Antenna Kit

Your QTH may have an antenna kit just waiting for assembly
and maybe even a tilt-over / crank-up tower to put it on.

Meteor shower in a few days,
I want to put up a good antenna in a hurry.

How about a yagi on a tower that I don't have to climb?

Parts list (all found in the QTH bone yard):

Antenna:

tubing (elements)
lattice cap (cross arms, boom and short mast)
U bolts (attach cross arms to boom, boom to mast and mast to tower)
duct tape (attach elements to cross arms)
hose clamps (attach matching network to driven element)

Tower:

extension ladder (for "crank up" tower)
screw eye (attach to structure (house) for "tilt over tower")
rope_2_ (see below) through screw eye (different from rope_1_ found on
most extension ladders)

Pivot extension ladder against base of structure (truck at Filed Day) or
house for "tilt over" tower,

Rest the other end of extension ladder on a conventional ladder (five
foot) or about head high.

Assemble the antenna. . . then mount antenna to "top" of extension ladder.

Pull extension ladder vertical via screw eye / rope2.

Extend ladder via rope1 ("crank up" tower).

How did the bone yard antenna work?

Tuning, no problem, used the MFJ 259 (nice box) everything is adjustable (U bolts, clamps and duct tape)).

I hear scatter but can't work it (think that was a procedure problem at my end

>>MS newbi here<<).

However, the logbook does show several new countries QSOed QRP.

Cost FREE (everything was resurrected from another project).

6AG7

John

N3AAZ

FM19xa

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Dec 1999 07:17:58 -0500

From: "Richard Hensel" <rrhensel@sprintmail.com>

To: <k6mgo@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [58969] Re: O.T. need help

Message-ID: <002b01bf51f6\$bf817400\$4c1ebfa8@rrh>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

try www.winzip.com

Richard Hensel

n8wlc@arrl.net

When you have a hammer in your hand
The whole world looks like a nail.

----- Original Message -----

From: "Bill H Ross" <k6mgo@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 28, 1999 10:58 PM
Subject: O.T. need help

I just downloaded the little paddle project from NORCAL's web site, and the file is "zipped". I used to have a "zipp/unzipp program, but I lost my computer, and now have a new one. Which doesn't have one.

Does anyone know if you can still get this simple program as Freeware, and where I might get it?

Thanks for any help, 73/72
Bill, K6MGO

Date: Wed, 29 Dec 1999 07:58:05 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <rexstout@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58970] Re: 10m.... CB antennas and the HTX-10
Message-ID: <005901bf51fc\$7292e060\$735bfea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, Just remember, you don't get something for nothing. And when you 'shorten' the antenna, the more you shorten it you count the 'compression' as getting something. You give up performance. Both gain and bandwidth.

When working with antennas like this, just keep the old maxim in mind that longer is better. It REALLY applies here. (Assuming you are buying a good quality antenna in the first place, with good wire coils, not some the CB garbage that's out there, like the one antenna I saw that actually had a PCB with the coil ETCHED ON IT!!)

At one time there were 4 different mag mounts from RS. I've tried them all on my HTX-100, and yep, longer is better. In fact,

the only antenna I use on my HTX-100 is the "Deluxe Mag Mount" CB antenna they sold. It was the 'longest' one they carried, and I don't think I could do much better unless I put a long whip on the bumper. I didn't even have to cut mine to tune it, it was 'acceptable' right out of the box by assembly with the whip in the whole way.

I've also heard of people having good luck on 10M with another antenna called the K40. It's 60 inches long.

Mike
N1DVJ

>OK, so it's not much of an upgrade. But it IS a new antenna! Has anyone
>else tried the new(er?) mag-mount CB antenna from Radio Shack? #21-989,
>only \$20. I wasn't in the mood to spend \$40 for a RatShack antenna. Pretty
>short, it has a loading coil at the bottom(haven't opened it up yet), and a
>fiberglass whip of just over 2.5 feet. A little knurled thumb nut on the
>bottom for tuning(probably not enough for 10m). Well, I'll get around to
>testing it eventually. Right now my only 10m antenna is a dipole held on
>the wall with thumbtacks(haven't I said that before?). There HAS to be a
>better antenna that's just as easy to make. I just need to find the parts
>to make it with... And maybe some more wall space :-)
>And another subject, partially aimed at N5IB... Can't wait for the
>schematic, but did you really cut your mic off? I checked the RSU catalog
>when I bought that CB antenna, and they didn't have the HTX-10 in there(I
>wonder how often they update those huge catalogs?), but I did finally
>figure out how much it would cost to get a new antenna for my old Pro-2034,
>that poor little scanner... Anyways, does anyone know if they sell
>replacement microphones(or at least that 6-pin connector)? Stupid me, I
>didn't think to ASK them when I was there...
>And yet another question. I'm full of them :-) Where do all the QRPers hang
>out on 10? I've never seen a specific freq like for other bands(7040 for
>example). I'm pretty much limited to QRP levels since my mom noticed that
>25W wipes out her CD player... :-0 Probably partially caused by the indoor
>thumbtack antenna.

>
>/-----\|
>| <http://members.tripod.com/~jrollins/> rexstout@uswest.net |
>| KD7BCY list admin for OrHam and ham-mac at QTH.NET |
>|
>\-----/

Date: Wed, 29 Dec 1999 08:27:47 -0500
From: "KC1DI-DOR" <ELBC@PIVOT.NET>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58971] Psk31
Message-ID: <003001bf5200\$800bd540\$2111a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All
Happy new year,
Anyone on the list doing anything with qrp and Psk31 would like to hear
about it , maybe make sked
73 Dave KC1DI
maine

Date: Wed, 29 Dec 1999 08:46:36 -0500
From: "Charlie Fitts" <cfitts@neca.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58972] Re: MW Contest (Tuesday) - de NF0R
Message-ID: <199912291349.IAA16133@orion.neca.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dave -

I had family here all three contest days but managed to sneak away for a
few minutes at a time to make 3 contacts last evening - NQ5RP, W4LOW, and
AA8SN. I'm not sure Hope got my info as the band took a nose dive just
about as I was giving it. If not I apologize. I was running an OHR 500 at
100 mW into a 40M delta loop or an 80M doublet.

Stations heard but not worked include N7GS, K5ZTY (20M and 40M), N4ROA, and
W3BB0. I hope we can do this again next year and that I'll have more time
to participate!

72 -

Charlie Fitts, N1EI in CT

Date: Wed, 29 Dec 1999 08:02:48 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [58973] mWattting & Team scores.
Message-ID: <Pine.LNX.3.95.991229075222.5504A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was unable to get on the air the first two mWatt go arounds but I did make it on yesterday...and what a fun time I had working KQ0RP(Mark), K0EVZ(Doc with the loudest signal here), WQ4RP(Brent), NQ5RP(Jim) and K5ZTY(Bill) all at 500 mW here.....then I finished it up working VE6EWM(Earl) only I dropped my power 100 mW....it was similar to the good feelings I had when I operated QRP intentionally for the first time...let's definitely do this one again!!...Bonnie & I have been going over the Team scores and we've now completed the first seven hunts...there are a few changes but all minor....we'll be doing some more today....good health & prosperity to all for the New Year 2000!

...72 - Bruce&Bonnie -

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada -AR Stamp Collector- "QRP! How sweet it is!"
"I am da man wit "DAH" paddle!"

Date: Wed, 29 Dec 1999 06:06:02 -0800
From: "Kevin Asato" <kevin.k.asato@worldnet.att.net>
To: <rexstout@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58974] Re: 10m.... CB antennas and the HTX-10
Message-ID: <006201bf5205\$d8887980\$cb55480c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't tried this particular antenna but 2.5 feet is awfully short. I shy from mag mount antennas as I have had them blow off my car at any speed (windy days driving on the freeway, driving next to big rigs)

In general, I have been able to load up or retune CB antennas for 10M (HiGain Formula1, Wilson 1000, K40, FireStik) and been able to get reasonable performance out of them. These antennas are really quite broad in their tuning to you can virtually use them with minimal fuss/tuning.

The big thing is that they do require a decent ground plane below the antenna and a good ground connection. Magnetic mount antennas are capacitively coupled at the base to the metalwork below - there is no hard ground points except through the coax back to the rig.

Hope this helps.

Kevin K Asato
KC6POB
Customer Service Engineer
PairGain Technologies
800.638.0031 (tech support)
888.769.4765 (pager)

-----Original Message-----

From: John Rollins <rexstout@uswest.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, December 28, 1999 7:24 PM
Subject: 10m.... CB antennas and the HTX-10

>OK, so it's not much of an upgrade. But it IS a new antenna! Has anyone
>else tried the new(er?) mag-mount CB antenna from Radio Shack? #21-989,
>only \$20. I wasn't in the mood to spend \$40 for a RatShack antenna. Pretty
>short, it has a loading coil at the bottom(haven't opened it up yet), and a
>fiberglass whip of just over 2.5 feet. A little knurled thumb nut on the
>bottom for tuning(probably not enough for 10m). Well, I'll get around to
>testing it eventually. Right now my only 10m antenna is a dipole held on
>the wall with thumbtacks(haven't I said that before?). There HAS to be a
>better antenna that's just as easy to make. I just need to find the parts
>to make it with... And maybe some more wall space :-)
>And another subject, partially aimed at N5IB... Can't wait for the
>schematic, but did you really cut your mic off? I checked the RSU catalog
>when I bought that CB antenna, and they didn't have the HTX-10 in there(I
>wonder how often they update those huge catalogs?), but I did finally
>figure out how much it would cost to get a new antenna for my old Pro-2034,
>that poor little scanner... Anyways, does anyone know if they sell
>replacement microphones(or at least that 6-pin connector)? Stupid me, I
>didn't think to ASK them when I was there...
>And yet another question. I'm full of them :-)) Where do all the QRPers hang
>out on 10? I've never seen a specific freq like for other bands(7040 for
>example). I'm pretty much limited to QRP levels since my mom noticed that
>25W wipes out her CD player... :-0 Probably partially caused by the indoor
>thumbtack antenna.

>

>/-----\

>| <http://members.tripod.com/~jrollins/> rexstout@uswest.net |
>| KD7BCY list admin for OrHam and ham-mac at QTH.NET

|
>\-----/
>
>
>

Date: Wed, 29 Dec 1999 09:20:00 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [58975] RE: Question about Original Norcal Sierra PC board format
Message-ID: <66FCE0D1DF76D311913800805F6D0FA342077B@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Thanks for all the replies and suggestions. Several of you pointed me to the ARRL Web Page and the section on the original Sierra that even has the detailed board etchings and construction checklist. This data should solve my search. Just go the the ARRL web page and do a serach on "sierra".

Subject: Question about Original Norcal Sierra PC board format
From: Sam Billingsley (SBillingsley@usaninc.com)
Date: Tue Dec 28 1999 - 16:19:20 EST

Question for anyone that has or built an original Norcal Club Sierra kit.

>>>snip>>>

Date: Tue, 28 Dec 1999 09:49:44 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Discussion Group <qrp-1@Lehigh.EDU>
Subject: [58976] Time warp time
Message-ID: <3868CE08.1FDF79E@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gangue,

I am expecting the Y2K changeover to be rather like most meteor showers. I'll get up three times in the night and see two, maybe three little meteors. Next day in the paper I'll read that some folks in

Kansas saw a really good display about half an hour after I went back to bed.

I just set my confuser's date back a day to let the rest of the world probe the Y2K changeover.

Please wake me in the morning.

Paul

Date: Wed, 29 Dec 1999 10:02:40 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58977] HB: TiCK chips
Message-ID: <19991229.100241.6734.0.ab5uacw@juno.com>

Can someone please send me the e-mail address for Embedded Research? I thought I had it here, at work, but not so.

I had one of my keyers go nuts. Has anyone else had a TiCK 4 go bonkers?

Thanks,

Clif AB5UA
Earlsboro, Ok (east of OKC)

Date: Wed, 29 Dec 1999 08:10:38 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: myetsko@insydesw.com (Mike Yetsko)
Cc: qrp-1@lehigh.edu (qrp)
Subject: [58978] Re: parallel port pin question? re: POQET
Message-ID: <199912291610.IAA22771@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mike,

Thanks very much. This answered my question. The Poqet had a Centronics parallel port available, but it doesn't have the same information at pins 12/13/14 that I need to use the paddle input for TRlog. Oh well should be able to do rig control and keying anyway.

Thanks again.

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Wed, 29 Dec 1999 11:15:02 EST
From: JFStrain@aol.com
To: qrp-l@lehigh.edu
Subject: [58979] Re: 10m.... CB antennas and the HTX-10
Message-ID: <0.bcbf3991.259b8d86@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I admit to using an RS magmount with my HTX-10. I do not recall what the number is, but it was one said to work on 10 and came with information on cutting it to the needed length (which made it 32 inches to include the AM portion of the band). The major reason I use it is that I can put it on top of the car (the only place it works half-way decently) and pop it in the back seat without any problem getting it to fit. It also goes in the trunk with no problem when I take it out of the car altogether. It does affect what you can do on 10, and means you are more at the mercy of propagation than with something bigger. But just like the QSL I just got for a contact with LY2ZZ in Lithuania on USB which gave me a 59, it can produce results. Don't go small unless you have enough advantages from it to justify doing so. I do not dispute that, as they say, "bigger is better," but sometimes smaller is handier. It used to be said that you should always get the best receiver you could afford. I think the same goes for antennas, if you want to be happy with the results.

72/73,
John W9MIU
QRP-L 1088 QRP-ARCI 8173
Zombie 250 ARS 571
10-10 71063

Date: Wed, 29 Dec 1999 11:15:15 -0800
From: Thaire Bryant <tbry37@ici.net>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [58980] FW: keys f.s.
Message-ID: <01BF51EE.1FAF1F20.tbry37@ici.net>

The KEA is sold...

Thaire

-----Original Message-----

From: Thaire Bryant [SMTP:tbry37@ici.net]
Sent: Wednesday, December 29, 1999 3:46 AM
To: Low Power Amateur Radio Discussion
Subject: keys f.s.

Not using these...

- 1) Galbraith "KEA" keyer...built by the Christchurch,
NZ Amateur Radio Club. Can be seen at:

<http://www.nzart.org.nz/nzart/branches/chch/branch05/keakeyer.html>

never used...\$125.00 shipped US

- 2) Bencher BY-2 (Chrome base with dust cover)

very clean... \$95.00 shipper US

Thaire W2APF

Date: Wed, 29 Dec 1999 11:19:11 EST
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [58981] Re: MW Contest
Message-ID: <19991229.062031.5391.1.kh6b@juno.com>

Hi Gang,

In the Holiday mW Contest I HEARD VE6EWM and
K5ZTY, both 339 on 7041 into Hilo HI. That's about all.
I called K5ZTY, then CQ. Nothing. This was 0130-0200ut
on the 3rd day of the mW event.

Earlier, I called CQ on 10, 15 and 20 with NO results using
the club call NQ6RP/c. Me thinks that an antenna a little
better than the ol' trusty 14AVQ is in the planning
stage in Hilo.

Aloha and Happy New Year!

Dean KH6B

Hilo Hawaii

Date: Wed, 29 Dec 1999 10:29:43 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [58982] Re: 10m.... CB antennas and 10 meters
Message-ID: <4.1.19991229101847.00a95990@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I favor using the helically wound/loaded CB antennas if you must go short. Remember that a base loaded antenna with a whip forces most of the current into the inductor - the very lowest part of the antenna.

If you examine the winding pattern of a CB whip antenna, you'll find the close-wound portion at the very top.

For example, I needed something that would fit into my parking garage without having to be removed (I guarantee I'll trash it if I have to remember to stop and take it off). I found a 3 foot long CB whip, carefully removed the top cap (vinyl) and fished out the end. I removed turns slowly until the antenna resonated where I wanted it to. Then, I put the vinyl cap back on and warmed it so it fit nicely back on top, protecting it from the weather.

The completed antenna sits on a trunk lip mount, in the center of the trunk lip right behind the rear window.

Does it work? Well, of course it does not work as well as the full length Hamstick that I replace it with when I go out on the open road. But, many cool DX contacts have been made while running around town which would not have been made if it depended on my putting the antenna back on the car everytime I left the garage.

With the conditions on 10 meters soaring, you want to always have something running if you have a 10 meter rig in the car. Mine is one of the Uniden HR-2600's and it's typically running around 25 watts (a bit on the high side, I know). I figure with a 3 foot helically loaded whip on the back deck, it meets the spirit of QRP if not the letter of the law :-)

To paraphrase the wisdom of the QRP-L, "Big antennas are better than small antennas, but small antennas are better than NO antennas."

Ed, N5EM

Date: Wed, 29 Dec 1999 08:32:43 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: n5em@flash.net ("Ed Manuel (N5EM)")
Cc: qrp-1@lehigh.edu (qrp)
Subject: [58983] Re: parallel port pin question? re: POQET
Message-ID: <199912291632.IAA24152@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

Will do. From the looks of things, interfacing for rig control and keying should be very straight forward. If you are interested, take a look at the TRlog website, at the manual. If you have a kenwood rig, I can send you a simple circuit that is much cheaper than the Kenwood rs232 interface. I am waiting to see what the K2 interface is going to look like as I plan for the Poqet to handle the rig control/keying for it when I operate portable.

cheers, Paul VE7CQK/email: paule@sfu.ca

>
> Paul,
>
> Let us know what you end up doing. I'm sure a number of others besides
> myself are planning to do something like this with the Poquet as well.
> Still waiting for mine to come in.
>
> Ed, N5EM
>
>
> At 08:10 AM 12/29/99 -0800, you wrote:
> >Hi Mike,
> >
> >Thanks very much. This answered my question. The Poquet had a
> >Centronics parallel port available, but it doesn't have the
> >same information at pins 12/13/14 that I need to use the
> >paddle input for TRlog. Oh well should be able to do rig
> >control and keying anyway.
> >
> >Thanks again.
> >
> >cheers, Paul VE7CQK/email: paule@sfu.ca
> >

>
>

Date: Wed, 29 Dec 1999 08:31:39 -0800
From: David Shalita <af389@lafn.org>
To: "Robert W. Shaw" <lycott@fox.nstn.ca>
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [58984] re:75HC132 Source or Info please.
Message-ID: <386A376B.A14BE089@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Robert W. Shaw" <lycott@fox.nstn.ca> WRITES the following:

> I built the L and C measuring device from the 1999 Handbook, and it
> requires a 75HC132, which I can not find (Active/Future had no > reference to
> it). I substituted a 4011 (changing the pinout with a 14 pin header), > but
> it does not work (it oscillates, but stops with a device under test --
> perhaps not enough power?).

Since the part is a QUAD 2 Input NAND gate,
possibly needing hysteresis, that sure sounds like a 74HC132
CMOS part. 74HC132 is a common readily available Schmidt Trigger
with hysteresis in form of 2 Input NAND Gate.
Looks like a typo error in the parts list.
I cannot help more since I do not have access to the
article or schematic.

Good Luck, 73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Wed, 29 Dec 1999 10:50:09 CST
From: George F Franklin <w0av@juno.com>
To: qrp-1@lehigh.edu
Subject: [58985] Fw: QRP Test
Message-ID: <19991229.105010.-4186999.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Gang,

I had time for only a few contacts before heading to a radio club meeting, but heard a station "Dan" in Virginia running 20mW who was pushing my S-meter to S-8 on 40M; wow!

Didn't have time to stick around to get Dan's call, but congrats to him anyhow.

72 de George/W0AV
Kansas City, MO\

Date: Wed, 29 Dec 1999 10:58:21 -0600
From: markmilburn <markmilburn@netzero.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [58986] Holiday MilliWatt Contest
Message-ID: <386A3DAD.BA57BABF@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, it looks like if I want one of those T shirts Mary made up, I'll have to buy it second-hand, but it was great fun. This was my first experience at running anything under a watt, and I learned some things. (Like my antenna isn't going to cut it at that power level.) Congratulations to the folks that really know how to do this Milliwatt stuff. Enjoy my T shirt.

72 Mark KQ0I
Des Moines, Iowa

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Date: Wed, 29 Dec 1999 12:18:09 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <paule@sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58987] Re: parallel port pin question? re: PQET

Message-ID: <003601bf5221\$2a2799e0\$735bfea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Hi Mike,
>
>Thanks very much. This answered my question. The Poqet had a
>Centronics parallel port available, but it doesn't have the
>same information at pins 12/13/14 that I need to use the
>paddle input for TRlog. Oh well should be able to do rig
>control and keying anyway.
>
>Thanks again.
>
>cheers, Paul VE7CQK/email: paule@sfu.ca

Hope it works out well for you.

One thing... I mentioned that if you use the 'data' lines for input you should be careful. Although if you do have hardware that will allow that, you can do some wild things quite easily with the LPT port. I made up a board one time with two 8255's on it, because I needed to read a set of ROMs from a circuit board without tampering with the board. (I know, I COULD have sucked them off, and I COULD have cleaned it up after putting them back on, but that was the 'condition' of the loan to the guy who asked me to read them..) So I used the two 8255s give me 48 lines, out and in, and interfaced with the the board and got what I needed.

I'm just wondering what other applications that board would have now...

Even if you can't have input on the data lines, just tying two 8255's on the port would offer some pretty impressive control funtionality. Say like the Ramsey VHF and UHF rigs...

Things that make you go 'hmmmmm.....'

Mike

Date: Wed, 29 Dec 1999 12:42:34 EST
From: BenNW7DX@aol.com
To: ELBC@pivot.net, qrp-1@lehigh.edu
Subject: [58988] Re: Psk31
Message-ID: <0.3bd69060.259ba20a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Dave,

I just started PSK-31 about a week ago, and really enjoy it, although I have not had ANY luck with it while QRP. I'm not sure why.... People are always saying that this mode is a good "weak signal" mode, but from all that i've done, I can tell you that CW IS A WHOLE BUNCH BETTER!! Because, if there was a weak signal on cw and a weak signal on PSK31, I believe that I could "head copy" better with CW and get more words, than having a computer try to copy all the different changes and keying and freq adjustments with PSK31, and only getting a couple words, with a whole lot of garbage. Thats just my oppinion, hi hi

But as far as simplicity goes, it is sometimes fun just to sit infront of a computer and start typing, and have the words pop up right on the screen.

I would like to see other people's oppinion regarding QRP and PSK-31, this might be interesting.

73 and happy 2000!!
Ben - NW7DX
Redmond, WA

Date: Wed, 29 Dec 1999 17:37:20 +0000
From: Larry Cahoon <wd3p@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58989] mWatt contest
Message-ID: <19991229.174303.5070.3.wd3p@juno.com>

I think I'll have to buy one of those t-shirts as well. I just had time to play around. Got three Sunday night and three on Tuesday. Never got to the contest Monday.

Sunday it was

Joel - K1QM in MA with 25 mWatts - he was running 1 Watt
Bob - N4BP in FL with 25 mWatts - he was running 1 Watt
Bill - K5ZTY in TX, he needed 500 mWatts - he was running 250 mWatts

Tuesday was a bit better

Jim - NQ5RP in AR with 50 mWatts - he was running 200 mWatts.

Brent - WQ4RP in NC with 10 mWatts - he was running 200 mWatts. I wasn't sure he got my call right, but asked for a repeat on the power and got that right.

Paul - W4LOW in NC with 10 mWatts - he was running 200 mWatts.

Got two new low power states. It was a new low for both MA and NC, so a couple of cards will get out for those. I'm going to have to get more time for these things and start as 2xWAS QRPp. Now I have to get ready for the next one.

73 de Larry.....WD3P in MD

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Dec 1999 13:09:50 -0500

From: Paul Stroud <aa4xx@ipass.net>

To: QRP-L <QRP-L@lehigh.edu>, klqrp <klqrp@waterw.com>

Subject: [58990] mW Contest (Tues) W4LOW/C

Message-ID: <386A4E6D.4159F61E@ipass.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

20M wasn't too hot on the East Coast Tuesday nite, but 40M was a good bit better. My congratulations to flea power operators N4ROA, KU4AF, and WD3P who made it into the W4LOW/C log. Each of these hard core milliwatters was running a mere 10mW!!!Way to go, guys...

See y'all next round. 72, Paul AA4XX

Date: Wed, 29 Dec 1999 09:54:09 -0900

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>

Subject: [58991] Holiday Milliwatt CW Contest - AL7FS

Message-ID: <386A58D1.4AA1508F@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I managed to operate a bit on Sunday and a few hours on Monday with some results to show for the effort. I was running 950 mW (1 Watt) and using the KLM KT-34A at 40 feet. Conditions were tough enough on Tuesday that I went on to other priorities.

I managed to work the following stations:

NN0F	IA	John	300 mW
W7ZOI	OR	Wes	500 mW
W5TB	TX	Doc	950 mW
N1TP	FL	Tom	1 W
W4NJK	CA	Charlie	5 W
N4ROA	VA	Dan	500 mW
N7GS	MT	Mal	900 mW
VE7BLM	BC	Don	5 W

I will have to figure out how to Calculate my scores and get them off to Mr. Kellog, AE4IC. I enjoyed the Milliwatt contest for several reasons but one main reason was that I used a power of under 1000 mW and had some chance of being heard. In normal contests, I almost always need to run 5 watts or I get totally buried by the crush of QRO (5 watt) QRP signals.

Thank you to the organizers for a fun contest. Next time arrange to open the bands up a bit more. :-)

73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (Info at <http://www.icq.com/>)

Date: Wed, 29 Dec 1999 10:57:38 -0500
From: Bob Parks <rob3ert@thegrid.net>
To: qrp-l@lehigh.edu
Subject: [58992] Poquet computer
Message-ID: <3.0.5.32.19991229105738.014a34e0@mail.thegrid.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Seems to me that someone here mentioned getting a Poquet computer for a price like \$25, and gave a source, but I can't to find the e-mail.

Would appreciate any clues.

Thanks.

Regards es 72/73

Bob Parks
K6AEC (Las Vegas, NV)

Date: Wed, 29 Dec 1999 11:26:04 -0500
From: Bob Parks <rob3ert@thegrid.net>
To: qrp-l@lehigh.edu
Subject: [58993] Poquet computers
Message-ID: <3.0.5.32.19991229112604.01734100@mail.thegrid.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This list is amazing! Took only about five minutes to get my answer.

Thanks all!

Regards es 72/73,

Bob Parks
K6AEC (Las Vegas, NV)

Date: Wed, 29 Dec 1999 14:34:46 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58994] Wye to Kay
Message-ID: <005701bf5233\$ceb8f1e0\$010044c0@cb29328-e.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please take a minute and read <http://members.home.com/wb8rcr/Y2K.htm> for
some notes on the hamshack computer and getting it ready for this weekend.

Thanks,
72/73 de WB8RCR <http://www.qsl.net/wb8rcr/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 29 Dec 1999 14:39:15 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <qrp-1@Lehigh.EDU>
Subject: [58995] Re: Poquet computer source
Message-ID: <s86a1d38.058@Mail.healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Please send me this info too. I would be very interested. :>

Randy.

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave.
Cincinnati, Ohio 45229
Ph. 513-585-7146
Fax 513-585-7159

Randy E. Randall
Network Engineer
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Fax 513-585-7159

>>> Bob Parks <rob3ert@thegrid.net> 12/29 10:57 AM >>>
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price like \$25, and gave a source, but I can't find the e-mail.

Would appreciate any clues.

Thanks.

Regards es 72/73

Bob Parks
K6AEC (Las Vegas, NV)=20

Date: Wed, 29 Dec 1999 13:40:49 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58996] Re: TiCK chips
Message-ID: <19991229.134050.6646.4.ab5uacw@juno.com>

Thanks to all for the e-mail address. I will see what Embedded Research tells me, and then share the strange happenings.

72,

Clif AB5UA
Earlsboro, Ok (east of OKC)

Date: Wed, 29 Dec 1999 13:44:02 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: BenNW7DX@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58997] Re: Psk31
Message-ID: <386A6482.5939361B@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ben, it is odds on that something is not set up properly with your PSK31 system. I routinely print very good copy on signals that are inaudible and do not register above the noise on the S meter. PSK31 *IS* the premier weak-signal mode. Anything that can pull signals up and print them when your ears cannot hear anything has to be pretty good! ;^)

What results are you having printing strong signals? Is your receiver capable of adequate frequency resolution to get you within the AFC range on the program? And which PSK31 program are you using? Is your transmitted signal "clean?" Many questions, so please give us a better description of your setup, etc.

PSK31 is a great mode, but with only 31.25 Hz of bandwidth to work in, things have to be pretty much on the ball.

You might also want to drop in on the PSK31 reflector. Send an email to

majordomo@qth.net

with a blank Subject line and

subscribe

in the body of the message.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

BenNW7DX@aol.com wrote:

>

> Hi Dave,

> I just started PSK-31 about a week ago, and really enjoy it, although I
> have not had ANY luck with it while QRP. I'm not sure why.... People are
> always saying that this mode is a good "weak signal" mode, but from all that
> i've done, I can tell you that CW IS A WHOLE BUNCH BETTER!!

Date: Wed, 29 Dec 1999 15:02:15 EST

From: BenNW7DX@aol.com

To: qrp-1@lehigh.edu

Subject: [58998] Re: Psk31

Message-ID: <0.6b55f494.259bc2c7@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Hello George and all -

The setup that I have over here is a Kenwood TS-570 with a 40mtr delta loop up 70ft and I use Logger v6.12c and it has been working very nicely. My setup isn't out of the ordinary from what other people have.

It is just that sometimes on some super weak signals, the computer maybe gets about 50% copy, of the whole thing, whereas if they were on cw, I bet I would be able to copy them. I am leaning towards DX when I say this, because the flutter, really screws up the signals on PSK, and on cw, they are still intelligible.

I just remembered that I have talked to a few people in 6-land, with 5 watts, so I have done some QRP work. I guess it all depends on the CONDX!

72,

Ben

NW7DX

In a message dated 12/29/1999 11:45:20 AM Pacific Standard Time,
w5yr@worldnet.att.net writes:

<< Ben, it is odds on that something is not set up properly with your PSK31 system. I routinely print very good copy on signals that are inaudible and do not register above the noise on the S meter. PSK31 *IS* the premier weak-signal mode. Anything that can pull signals up and print them when your ears cannot hear anything has to be pretty good! ;^)

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major-domo@qth.net

with a blank Subject line and

subscribe

in the body of the message.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

>>

Date: Wed, 29 Dec 1999 12:10:32 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: SBillingsley@usaninc.com
Cc: qrp-l@lehigh.edu
Subject: [58999] re: Question about Original Norcal Sierra PC board format
Message-ID: <v03102828b49011cffe8c@[206.169.225.90]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Sam,

>Was the original Sierra built with single sided pc board
>for both the main and plug-in modules?

Yes, but only the first few prototype units. The boards were fabricated by Far Circuits. We quickly went to double-sided.

>Did instabilities drive the later versions
>to two etch sided boards? Or just more stuff being put on the board?

The reasons I moved to a double-sided design were (1) to eliminate about 7 jumpers needed with the single-sided board; (2) to improve grounding; (3) allow for higher component density. I added ten or twenty parts to the final version, and it got pretty cramped. The only way to get good grounding without resorting to lots of jumpers was to go double-sided.

>Was the ARRL Handbook (1997) version of the Sierra version "B",
>(ie two etched sided boards) sold by the Norcal Club or
>was this an intermediate step to Wilderness that was never
>actually sold by anyone?

The Handbook boards were the last ones used for the club version before I upgraded the design for Wilderness.

I think a few builders have rolled their own single-sided versions of the Sierra. There's no reason that it can't work this way--it's just easier to build and nicer to look at with double-sided boards. The grounding is definitely better, too, which generally improves stability.

73,
Wayne

Date: Wed, 29 Dec 1999 15:31:13 -0500
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [59000] Fw: QRP Test
Message-ID: <199912292030.PAA182710@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Wish you had hung around George. It would have been nice to work you again. We have worked several times in other contests. I think even on 160M..

The station I was working was in MO..It was Sir Dave, NF0R, but only got an rst of 339 from him..hee hee Later worked AA0B, Sir Roy, with 10mW and he gave me a 229 RST. I am amazed at what such a small amount of RF can do. Of course some QTH's always seem to have good paths no matter the power.

I was 99% S and P but did call CQ during a lull with 10mW and was amazed to hear AF4PP ,Chuck, in Ga. come back. I was stunned. Anyway, a very enjoyable contest and am gonna cut my power some to have more fun.

72 to all and a Happy New Year.
Dan, N4ROA, in Gate City, Va.

> From: George F Franklin <w0av@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Fw: QRP Test
> Date: Wednesday, December 29, 1999 11:50 AM
>
>
> Hi Gang,
>
> I had time for only a few contacts before heading to a radio club
> meeting, but heard a station "Dan" in Virginia running 20mW who was
> pushing my S-meter to S-8 on 40M; wow!
>
> Didn't have time to stick around to get Dan's call, but congrats to him
> anyhow.
>
> 72 de George/W0AV
> Kansas City, MO\
>
>

Date: Thu, 30 Dec 1999 07:35:58 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [59001] Re: Question on AADE L/C meter
Message-ID: <386A70AE.F89E1FFC@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> The kit is one that you can *really* complete in just a few
> hours. One minor complaint--some of the holes were too
> small for the component leads so I had to drill 'em out.

I built mine just on twelve months ago and didn't experience that problem at all. The drama I had was some fool inserted an electro in place of a tantalum cap.

"Measure twice cut once" <g>

Excellent kit, I'm tickled pink.

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S
151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL -
<http://www.qsl.net/vk2tip/>

Date: Wed, 29 Dec 1999 16:27:39 -0500
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [59002] Re: Psk31
Message-ID: <4.2.0.58.19991229161455.00a70400@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

PSK31 is only the beginning. There is a vast amount of research being done on how you can represent the information you send. This isn't just esoteric ivory tower stuff - every CD, audio or data, owes its performance to Reed-Solomon codes. Every telephone modem that runs at more than 9600 baud uses trellis-coded modulation. Ever used GSM? PCS? Ever seen digital satellite TV? You get the idea...

Folks like NASA do this stuff over the radio. We (hams) could too. The codes and modulation NASA use (e.g. Pathfinder, Galileo, Cassini) are designed to send data efficiently at a very low signal-to-noise ratio while being resistant to fades. Sound familiar?

Most of this stuff runs just fine in software on a (reasonably fast) PC with a soundcard. Have a look at KA9Q's ACE demodulator package for a nice example.

My favourite references on the subject: Digital Modulation and Coding by Wilson. Error Control Systems for Digital Communication and Storage by Wicker.

Happy New Year everybody!

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Wed, 29 Dec 1999 16:59:51 EST
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [59003] Zomboids
Message-ID: <0.18f51d55.259bde57@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

What is a Zomboid-mitter, as touched on by Rex the tin-man Harper? I've not heard of one yet.

I have one of the Everest tins that is looking to rent space therein.

TNX to all

Howard Kraus, K2UD

Date: Wed, 29 Dec 1999 17:40:45 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [59004] QSL Burro
Message-ID: <199912292221.RAA20610@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Got a surprise package in the mail today, a bunch of DX QSL cards from the W1 burro. Was a surprise, as I never set up an account. Guess I'll have to send them some money to cover what they sent and

see how many more they have stacked up there for me :-)

If you work any DX, bet you have some cards at the ARRL burro too.
Could be worth looking into...

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 29 Dec 1999 15:25:35 -0700
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [59005] Sun CME ejections -- A pictorial story of how they work from NASA
Message-ID: <01e801bf524b\$a66190e0\$f037b3cf@bfollett>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gangue:

>From the NASA science center:

The Warp and Woof of a Geomagnetic Storm: Using a team of three satellites,
scientists are studying what happens when a solar coronal mass ejection
strikes
the Earth's magnetic field. This story includes a new Quicktime animation
of a coronal mass ejection and the aurora borealis.
FULL STORY at

http://www.space-science.com/newhome/headlines/ast29dec99_1.htm

Hopefully, this further explains the CME stuff that Paul has been so
patiently feeding us.

73, & HNY, Bob

Bob Follett AB7ST
3133 American Saddler Drive (435) 649 6457
Park City, UT 84060

Date: Wed, 29 Dec 1999 17:24:33 EST
From: RangerSF5@aol.com

To: qrp-1@lehigh.edu
Subject: [59006] Electronic Greeting from WA2HQrp <tm>
Message-ID: <0.99e01fe5.259be421@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

Bob WA2HQrp stopped by our site, Airborne Greetings provided by the the one
& only; Le Chateau de Cartes.
and created a Virtual Card just for you! To pick up your
card, simply point your browser at the page listed below.

<http://cybergreet.net/cr/pu4/dec29-05885.html>

End of QRP-L Digest 1684

